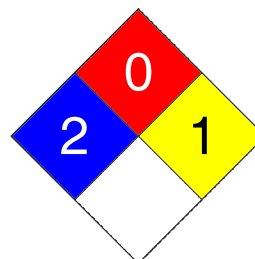


1. Product and Company Identification

Product Name White Brite®
CAS # Mixture
Product use Laundry Whitener and Rust Stain Remover
Manufacturer Iron Out dba Summit Brands
 7201 Engle Road
 Fort Wayne, IN 46804-5875 US
 Phone: 260-483-2519
 Emergency Phone: 1-800-424-9300 (CHEMTREC)

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	* 2
Flammability	0
Physical Hazard	1
Personal Protection	B



2. Hazards Identification

Emergency overview CAUTION
EYE AND SKIN IRRITANT.
May cause sensitization by inhalation and skin contact.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes Causes irritation.

Skin Causes irritation.

Inhalation Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Eyes. Respiratory system. Skin.

Chronic effects May cause respiratory and/or skin sensitization in sensitive individuals. Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

OSHA Regulatory Status This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects Components of this product have been identified as having potential environmental concerns.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium hydrosulfite	7775-14-6	15 - 40
Sodium carbonate	497-19-8	10 - 30
Sodium metabisulfite	7681-57-4	10 - 30
Citric acid	77-92-9	1 - 5
Sodium sulfite	7757-83-7	0.5 - 1.5

4. First Aid Measures

First aid procedures

Eye contact Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops or persists.

Skin contact	Brush away excess of dry material. Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists.
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
Notes to physician	Symptoms may be delayed.
General advice	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties	Not flammable by WHMIS/OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Dry chemical. Water spray. Foam. Carbon dioxide.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of sulphur. Hydrogen sulphide. Oxides of sodium.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas.
Methods for containment	Stop leak if you can do so without risk.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. Avoid prolonged or repeated skin contact with this material. Do not breathe dust from this material. Wash thoroughly after handling.
Storage	Keep out of reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s)	Exposure Limits
Citric acid	ACGIH-TLV TWA: 10 mg/m ³ OSHA-PEL TWA: 10 mg/m ³
Sodium carbonate	ACGIH-TLV Not established OSHA-PEL Not established
Sodium hydrosulfite	ACGIH-TLV Not established OSHA-PEL Not established
Sodium metabisulfite	ACGIH-TLV TWA: 5 mg/m ³ OSHA-PEL Not established
Sodium sulfite	ACGIH-TLV Not established OSHA-PEL Not established

Engineering controls

Use only under good ventilation conditions or with respiratory protection.

Personal protective equipment

Eye / face protection

Wear safety glasses with side shields.

Hand protection

Rubber gloves. Confirm with a reputable supplier first.

Skin and body protection

As required by employer code.

Respiratory protection

Avoid inhalation of dust. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance	Powder
Color	White
Form	Powder
Odor	Characteristic
Odor threshold	Not available
Physical state	Solid
pH	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	None
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not applicable

Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Octanol/water coefficient	Not available
Percent volatile	Not available

10. Stability and Reactivity

Reactivity	This product may react with strong alkalies.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers. Caustics.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of sulphur. Hydrogen sulphide. Oxides of sodium.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Citric acid	Not available
Sodium carbonate	400 mg/m3 guinea pig
Sodium hydrosulfite	Not available
Sodium metabisulfite	Not available
Sodium sulfite	5.5 mg/l/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
Citric acid	5040 mg/kg mouse; 3000 mg/kg rat
Sodium carbonate	4090 mg/kg rat
Sodium hydrosulfite	2500 mg/kg rat
Sodium metabisulfite	1131 mg/kg rat
Sodium sulfite	820 mg/kg mouse; 820 mg/kg rat

Effects of acute exposure

Eye	Causes irritation.
Skin	Causes irritation.
Inhalation	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
Ingestion	May cause stomach distress, nausea or vomiting.
Sensitization	May cause sensitization by inhalation or skin contact.
Chronic effects	Not classified or listed by IARC, NTP, OSHA and ACGIH.
Carcinogenicity	See below.

ACGIH - Threshold Limit Values - Carcinogens

Sodium metabisulfite 7681-57-4 A4 - Not Classifiable as a Human Carcinogen

IARC - Group 3 (Not Classifiable)

Sodium metabisulfite 7681-57-4 Monograph 54 [1992] (listed under Sulfur dioxide and some sulfites bisulfites and metabisulfites)

Sodium sulfite 7757-83-7 Monograph 54 [1992] (listed under Sulfur dioxide and some sulfites bisulfites and metabisulfites)

Mutagenicity	Not classified or listed by IARC, NTP, OSHA and ACGIH.
Reproductive effects	Not classified or listed by IARC, NTP, OSHA and ACGIH.
Teratogenicity	Not classified or listed by IARC, NTP, OSHA and ACGIH.
Name of Toxicologically Synergistic Products	Not available

12. Ecological Information

Ecotoxicity See below

Ecotoxicity - Freshwater Algae - Acute Toxicity Data

Sodium carbonate	497-19-8	120 Hr EC50 Nitzschia: 242 mg/L
Sodium hydrosulfite	7775-14-6	72 Hr EC50 Desmodesmus subspicatus: 120 mg/L; 96 Hr EC50 Desmodesmus subspicatus: 87 mg/L
Sodium metabisulfite	7681-57-4	72 Hr EC50 Desmodesmus subspicatus: 48 mg/L; 96 Hr EC50 Desmodesmus subspicatus: 40 mg/L

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Citric acid	77-92-9	96 Hr LC50 Lepomis macrochirus: 1516 mg/L [static]
Sodium carbonate	497-19-8	96 Hr LC50 Lepomis macrochirus: 300 mg/L [static]; 96 Hr LC50 Pimephales promelas: 310 - 1220 mg/L [static]
Sodium hydrosulfite	7775-14-6	96 Hr LC50 Leuciscus idus: 46 - 68 mg/L [static]
Sodium metabisulfite	7681-57-4	96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]
Sodium sulfite	7757-83-7	96 Hr LC50 Leuciscus idus: 220 - 460 mg/L [static]

Ecotoxicity - Water Flea - Acute Toxicity Data

Citric acid	77-92-9	72 Hr EC50 Daphnia magna: 120 mg/L
Sodium carbonate	497-19-8	48 Hr EC50 Daphnia magna: 265 mg/L
Sodium hydrosulfite	7775-14-6	48 Hr EC50 Daphnia magna Straus: 98 mg/L
Sodium metabisulfite	7681-57-4	24 Hr EC50 Daphnia magna Straus: 89 mg/L
Sodium sulfite	7757-83-7	24 Hr LC50 Psammochinus miliaris: 330 mg/L

Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Mobility in environmental media	Not available
Environmental effects	Not available
Aquatic toxicity	Not available
Partition coefficient	Not available
Chemical fate information	Not available
Other adverse effects	Not available

13. Disposal Considerations

Disposal instructions	Review federal, state/provincial, and local government requirements prior to disposal.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canada - WHMIS - Ingredient Disclosure List

Citric acid	77-92-9	1 %
Sodium carbonate	497-19-8	1 %
Sodium metabisulfite	7681-57-4	1 %

WHMIS status	Controlled
WHMIS classification	Class D - Division 2A, 2B
WHMIS labeling	



Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA (Superfund) reportable quantity

Sodium dodecylbenzene sulfonate: 1000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - Yes

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available

Clean Water Act (CWA) Not available

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Sodium metabisulfite 7681-57-4 Present

U.S. - Massachusetts - Right To Know List

Sodium hydrosulfite 7775-14-6 Present

Sodium metabisulfite 7681-57-4 Present

U.S. - Minnesota - Hazardous Substance List

Sodium metabisulfite 7681-57-4 Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Sodium hydrosulfite 7775-14-6 sn 1697

Sodium metabisulfite 7681-57-4 sn 1708

U.S. - Pennsylvania - RTK (Right to Know) List

Sodium hydrosulfite 7775-14-6 Present

Sodium metabisulfite 7681-57-4 Present

U.S. - Rhode Island - Hazardous Substance List

Sodium hydrosulfite 7775-14-6 Flammable

Sodium metabisulfite 7681-57-4 Toxic

Inventory name

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information**Disclaimer**

The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

Issue date

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Effective date

15-Aug-2011

Expiry date

15-Aug-2014

Prepared by

Dell Tech Laboratories Ltd. (519) 858-5021

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.